



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12341625
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science and Technology Results	10-12

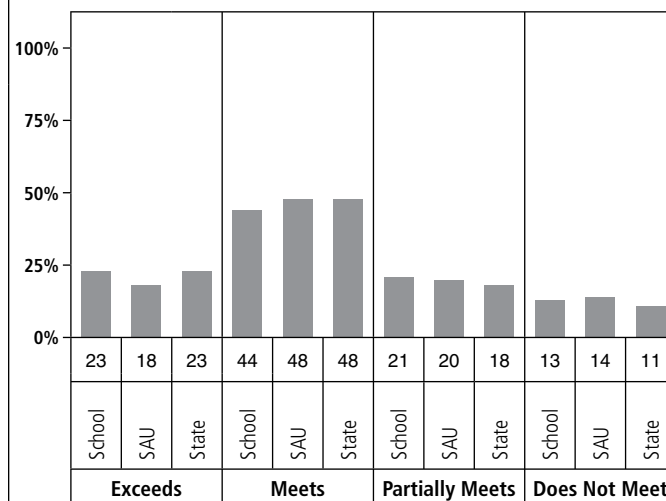
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

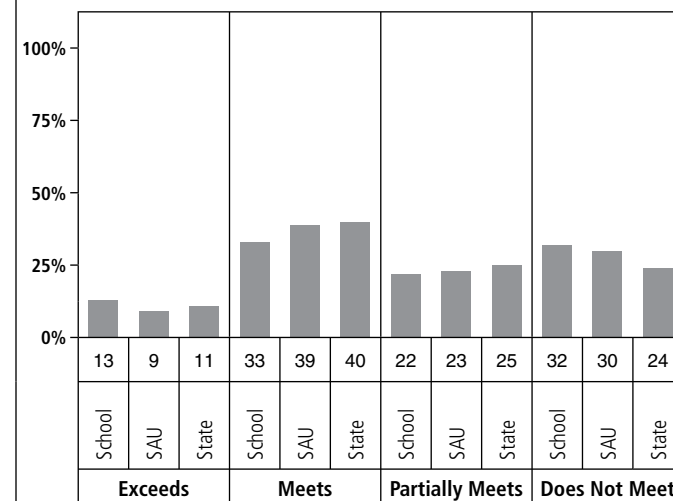
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	845	844	845
2006–2007	847	846	847
2007–2008	849	847	849
Cum. Avg. *	847	846	847
Mathematics			
2005–2006	842	841	840
2006–2007	843	842	842
2007–2008	840	839	841
Cum. Avg. *	842	841	841
Science & Technology			
2005–2006	845	845	846
2006–2007	846	846	847
2007–2008	845	844	847
Cum. Avg. *	845	845	847

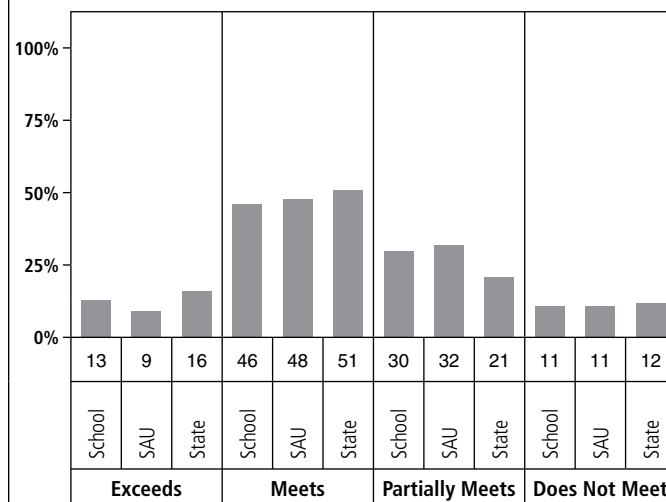
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: MSAD 40
 School: Union Elem & Gaul Middle Schs

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																											
							ELA-Reading						Mathematics						Science and Technology															
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State					
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students	98	100	166	100	15274	100	96	98	163	98	15102	99	96	98	163	98	15097	99	96	98	163	98	15080	99										
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97										
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98										
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98										
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98										
Caucasian/White	98	100	166	100	14461	95	96	98	163	98	14312	99	96	98	163	98	14302	99	96	98	163	98	14289	99										
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Identified disability	15	15	34	20	2508	16	15	100	34	100	2446	98	15	100	34	100	2441	98	15	100	34	100	2431	98										
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99										
Economically disadvantaged	37	38	78	47	5420	35	37	100	78	100	5329	99	37	100	78	100	5324	99	37	100	78	100	5313	98										
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100										

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	88	90	135	81	12703	83	88	90	135	81	12694	83	88	90	135	81	12710	83						
Identified disability (PET/IEP)	7	8	7	5	437	3	7	8	7	5	421	3	7	8	7	5	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	4	5	8	6	229	2	4	5	8	6	231	2	4	5	8	6	230	2						
Participation with accommodations	8	8	26	16	2221	15	8	8	26	16	2227	15	8	8	26	16	2197	14						
Identified disability (PET/IEP)	8	100	25	96	1832	82	8	100	25	96	1844	83	8	100	25	96	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	1	4	213	10	0	0	1	4	202	9	0	0	1	4	204	9						
Participation through alternate assessment (PAAP)	0	0	2	1	177	1	0	0	2	1	176	1	0	0	2	1	173	1						
Identified disability (PET/IEP)	0	0	2	100	177	100	0	0	2	100	176	100	0	0	2	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	2	2	3	2	140	1	2	2	3	2	143	1	2	2	3	2	160	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	12	14	24	16	2695	17
	2006-2007	9	12	14	11	2407	16
	2007-2008	22	23	29	18	3428	23
	Cum. Total*	43	17	67	15	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	34	41	52	36	6830	42
	2006-2007	41	53	69	52	7494	49
	2007-2008	42	44	77	48	7179	48
	Cum. Total*	117	46	198	45	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	26	31	44	30	3741	23
	2006-2007	18	23	32	24	3628	24
	2007-2008	20	21	32	20	2706	18
	Cum. Total*	64	25	108	25	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	11	13	26	18	3003	18
	2006-2007	9	12	18	14	1810	12
	2007-2008	12	13	23	14	1611	11
	Cum. Total*	32	13	67	15	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	36.4	65.0	35.6	63.6	36.9	65.9
Literary Text	28	50	18.4	65.7	17.9	63.9	18.3	65.4
Informational Text	28	50	18.0	64.3	17.7	63.2	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 40
 School: Union Elem & Gaul Middle Schs

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	96	22	23	42	44	20	21	12	13	849	161	18	48	20	14	847	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	96	22	23	42	44	20	21	12	13	849	161	18	48	20	14	847	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	4	27	6	40	5	33	833	32	0	25	34	41	832	2269	3	24	32	42	833
No	81	22	27	38	47	14	17	7	9	852	129	22	53	16	8	851	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	96	22	23	42	44	20	21	12	13	849	161	18	48	20	14	847	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	37	4	11	15	41	10	27	8	22	844	77	8	44	23	25	842	5222	12	44	25	19	843
No	59	18	31	27	46	10	17	4	7	852	84	27	51	17	5	853	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	96	22	23	42	44	20	21	12	13	849	161	18	48	20	14	847	14917	23	48	18	11	849
Gender																						
Female	47	14	30	25	53	5	11	3	6	854	76	25	57	13	5	853	7198	30	48	15	7	853
Male	49	8	16	17	35	15	31	9	18	844	85	12	40	26	22	843	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	0	0	3	25	4	33	5	42	836	17	0	24	35	41	835	807	9	41	32	18	842
No	84	22	26	39	46	16	19	7	8	851	144	20	51	18	11	849	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	96	22	23	42	44	20	21	12	13	849	161	18	48	20	14	847	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	12 27 53 9	0 2 16 4	0 8 32 50	3 13 23 3	27 52 46 38	6 4 8 1	55 16 16 13	2 6 3 0	18 24 6 0	838 843 853 863	9 34 47 9	0 9 24 40	33 46 53 47	40 20 17 7	27 24 5 7	837 843 851 857	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	41 49 6 3	16 4 1 1	41 9 17 33	17 21 4 0	44 46 67 0	3 15 1 0	8 33 17 0	3 6 0 2	8 13 0 67	857 844 848 841	36 52 7 5	36 6 9 25	45 52 64 13	10 28 9 13	9 13 18 50	855 844 845 838	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	23 47 30 0	14 7 1 0	64 16 4 0	6 27 9 0	27 61 32 0	1 6 12 0	5 14 43 0	1 4 6 0	5 9 21 0	862 850 839 0	24 45 30 1	47 13 2 100	37 64 35 0	11 17 31 0	5 7 31 0	857 850 838 864	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	6 69 24	0 16 6	0 25 26	4 28 10	67 43 43	1 14 4	17 22 17	1 7 3	17 11 13	844 850 851	7 69 24	9 20 16	45 48 50	27 18 21	18 14 13	844 848 847	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	8 56 36	1 11 10	14 22 30	3 22 17	43 43 52	3 12 2	43 24 6	0 6 4	0 12 12	847 849 853	8 57 35	17 17 22	25 48 56	33 20 13	25 15 9	841 847 852	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	53 47 0	10 12 0	20 27 0	23 18 0	47 41 0	12 7 0	24 16 0	4 7 0	8 16 0	850 849 0	48 50 2	18 19 0	47 50 33	22 15 33	12 15 33	848 848 833	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	14 56 13 17	5 16 1 0	38 30 8 0	4 30 3 5	31 57 25 31	2 4 3 10	15 8 25 63	2 3 5 1	15 6 42 6	850 855 837 841	14 53 14 19	27 25 5 3	36 60 36 33	18 9 23 47	18 6 36 17	847 853 839 840	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	36 51 10 3	13 7 2 0	38 15 22 0	14 24 3 1	41 50 33 33	4 11 4 0	12 23 44 0	3 6 0 2	9 13 0 67	854 847 850 833	35 52 9 4	31 11 13 17	51 51 33 33	9 23 47 0	9 16 7 50	853 845 845 839	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	0 50 33 17	 0 0 0	 0 0 0	 1 1 1	 33 50 100	 1 0 0	 33 0 0	 1 1 0	 33 50 0	 835 838 852	 21 43 21 14	 0 33 0 50	 67 17 67 50	 0 33 0 0	 33 17 33 0	 835 843 840 858	 	 	 	 	 	

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	7	8	21	14	1714	11
	2006-2007	11	14	18	14	1952	13
	2007-2008	12	13	14	9	1657	11
	Cum. Total*	30	12	53	12	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	36	43	48	33	5533	34
	2006-2007	31	40	51	38	5870	38
	2007-2008	32	33	62	39	5956	40
	Cum. Total*	99	39	161	37	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	21	25	36	25	4764	29
	2006-2007	18	23	33	25	3982	26
	2007-2008	21	22	37	23	3729	25
	Cum. Total*	60	23	106	24	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	19	23	41	28	4251	26
	2006-2007	17	22	31	23	3534	23
	2007-2008	31	32	48	30	3579	24
	Cum. Total*	67	26	120	27	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.6	47.5	7.6	47.5	8.4	52.5
Cluster 2: Shape and Size	14	25	6.0	42.9	5.9	42.1	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.6	57.5	4.5	56.3	4.6	57.5
Cluster 4: Patterns	18	32	8.5	47.2	8.5	47.2	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 40
 School: Union Elem & Gaul Middle Schs

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	96	12	13	32	33	21	22	31	32	840	161	9	39	23	30	839	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	96	12	13	32	33	21	22	31	32	840	161	9	39	23	30	839	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	2	13	1	7	12	80	823	32	0	16	22	63	826	2265	1	14	22	62	824
No	81	12	15	30	37	20	25	19	23	843	129	11	44	23	22	843	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	96	12	13	32	33	21	22	31	32	840	161	9	39	23	30	839	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	37	3	8	9	24	12	32	13	35	836	77	5	29	30	36	835	5217	5	30	29	37	834
No	59	9	15	23	39	9	15	18	31	842	84	12	48	17	24	843	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	96	12	13	32	33	21	22	31	32	840	161	9	39	23	30	839	14914	11	40	25	24	841
Gender																						
Female	47	9	19	18	38	7	15	13	28	844	76	12	49	14	25	843	7199	11	40	26	23	841
Male	49	3	6	14	29	14	29	18	37	836	85	6	29	31	34	836	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	0	0	2	17	5	42	5	42	831	17	0	18	29	53	830	806	3	20	30	47	831
No	84	12	14	30	36	16	19	26	31	841	144	10	41	22	27	840	14115	12	41	25	23	842
Gifted/talented program																						
Yes	0										0						592	58	39	2	1	864
No	96	12	13	32	33	21	22	31	32	840	161	9	39	23	30	839	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	12	0	0	3	27	1	9	7	64	829	9	0	33	13	53	831	9	5	30	23	41	833
B. less than one hour	27	1	4	6	24	8	32	10	40	834	34	4	33	26	37	836	46	10	40	26	25	840
C. one to two hours	53	9	18	18	36	12	24	11	22	844	47	12	43	25	20	843	41	14	42	25	19	843
D. more than two hours	9	2	25	5	63	0	0	1	13	853	9	20	47	13	20	847	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	34	8	25	13	41	4	13	7	22	847	30	17	44	13	27	843	30	17	43	22	18	845
B. They match some of what I have learned.	47	3	7	13	30	12	27	16	36	838	48	5	39	25	31	839	50	10	42	26	22	841
C. They match just a little of what I have learned.	18	1	6	5	29	5	29	6	35	834	20	3	31	38	28	836	17	6	32	29	33	836
D. There is no match.	1	0	0	1	100	0	0	0	0	852	1	50	50	0	0	862	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	20	9	47	4	21	2	11	4	21	854	19	35	45	6	13	855	26	29	46	14	11	851
B. good	55	3	6	21	40	13	25	15	29	839	50	4	43	26	28	839	45	7	46	27	20	841
C. fair	23	0	0	7	32	6	27	9	41	833	25	0	31	31	38	833	23	1	26	34	38	833
D. poor	1	0	0	0	0	0	0	1	100	820	6	0	22	22	56	828	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	26	1	4	6	25	6	25	11	46	833	28	5	36	23	36	836	34	4	35	28	32	836
B. about the same as my regular schoolwork	62	9	16	21	36	13	22	15	26	843	58	10	36	26	28	840	52	10	43	26	21	842
C. easier than my regular schoolwork	12	2	18	5	45	2	18	2	18	844	14	14	59	14	14	848	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	50	8	17	12	26	10	22	16	35	840	50	12	33	23	32	840	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	42	4	10	16	41	9	23	10	26	841	43	7	45	25	22	841	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	2	29	2	29	3	43	833	6	0	30	20	50	831	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	5	0	0	2	40	0	0	3	60	828	6	0	40	20	40	833	9	6	38	27	29	837
B. two or three days a week	9	0	0	5	63	1	13	2	25	839	8	8	58	8	25	840	16	8	38	27	27	839
C. two or three times each month	33	6	19	13	42	7	23	5	16	845	23	16	43	24	16	844	28	12	41	27	21	843
D. never or almost never	53	6	12	12	24	12	24	19	39	839	63	7	35	24	33	839	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	31	1	3	8	28	7	24	13	45	833	41	2	33	31	34	835	38	14	42	23	21	843
B. two or three times a week	46	8	19	15	35	8	19	12	28	844	41	14	45	15	26	843	33	10	41	26	23	841
C. two or three times each month	18	3	18	7	41	4	24	3	18	846	14	14	41	23	23	844	18	10	36	27	27	840
D. never or almost never	4	0	0	2	50	1	25	1	25	836	4	14	43	14	29	842	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	40	9	24	13	35	9	24	6	16	848	45	13	40	27	20	844	54	14	44	23	18	844
B. agree	46	2	5	15	36	8	19	17	40	836	41	5	41	19	36	837	38	8	36	27	28	838
C. disagree	11	0	0	1	10	3	30	6	60	825	10	0	25	31	44	830	6	6	31	28	36	835
D. strongly disagree	3	0	0	2	67	1	33	0	0	843	4	14	43	14	29	840	2	3	23	25	49	831
Optional school/SAU question																						
A.	0										21	0	67	0	33	841						
B.	50	0	0	0	0	1	33	2	67	826	43	0	33	17	50	831						
C.	33	0	0	1	50	0	0	1	50	830	21	0	33	0	67	825						
D.	17	0	0	1	100	0	0	0	0	846	14	50	50	0	0	859						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	6	7	14	10	1879	12
	2006-2007	11	14	18	14	2192	14
	2007-2008	12	13	15	9	2371	16
	Cum. Total*	29	11	47	11	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	48	58	72	50	8604	53
	2006-2007	40	52	67	50	7916	52
	2007-2008	44	46	77	48	7630	51
	Cum. Total*	132	52	216	49	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	21	25	40	28	3618	22
	2006-2007	11	14	24	18	3340	22
	2007-2008	29	30	51	32	3175	21
	Cum. Total*	61	24	115	26	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	8	10	19	13	2174	13
	2006-2007	15	19	24	18	1865	12
	2007-2008	11	11	18	11	1731	12
	Cum. Total*	34	13	61	14	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.6	54.3	7.4	52.9	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.6	47.1	6.6	47.1	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.4	52.9	7.3	52.1	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.2	58.6	8.0	57.1	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/ltsalt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 40
 School: Union Elem & Gaul Middle Schs

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	96	12	13	44	46	29	30	11	11	845	161	9	48	32	11	844	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	96	12	13	44	46	29	30	11	11	845	161	9	48	32	11	844	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	4	27	7	47	4	27	836	32	0	25	47	28	836	2258	3	29	31	37	836
No	81	12	15	40	49	22	27	7	9	846	129	12	53	28	7	846	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	96	12	13	44	46	29	30	11	11	845	161	9	48	32	11	844	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	37	2	5	13	35	16	43	6	16	840	77	4	38	42	17	840	5206	8	45	28	20	842
No	59	10	17	31	53	13	22	5	8	848	84	14	57	23	6	848	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	96	12	13	44	46	29	30	11	11	845	161	9	48	32	11	844	14900	16	51	21	12	847
Gender																						
Female	47	7	15	20	43	14	30	6	13	845	76	11	46	34	9	845	7196	14	52	23	12	847
Male	49	5	10	24	49	15	31	5	10	845	85	8	49	29	13	844	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	0	0	4	33	7	58	1	8	839	17	0	35	53	12	839	804	6	38	34	22	841
No	84	12	14	40	48	22	26	10	12	846	144	10	49	29	11	845	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	96	12	13	44	46	29	30	11	11	845	161	9	48	32	11	844	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 40
School: Union Elem & Gaul Middle Schs

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	12 27 53 9	0 3 7 2	0 12 14 25	5 12 22 4	45 48 44 50	3 8 16 2	27 32 32 25	3 2 5 0	27 8 10 0	840 845 845 852	9 34 47 9	0 7 11 20	53 48 45 53	27 31 36 20	20 13 8 7	841 843 845 850	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	21 47 22 10	3 6 3 0	15 14 14 0	12 18 9 4	60 41 43 44	4 16 6 3	20 36 29 33	1 4 3 2	5 9 14 22	850 845 843 840	26 46 22 7	12 8 12 0	56 42 53 45	27 39 24 27	5 11 12 27	848 843 844 839	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	14 56 27 3	4 7 1 0	31 13 4 0	5 28 9 1	38 53 36 33	0 16 12 1	0 30 48 33	4 2 3 1	31 4 12 33	848 847 839 839	16 54 26 4	23 9 2 0	50 53 37 50	8 33 46 33	19 5 15 17	849 846 840 841	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	29 53 17	5 5 2	19 10 13	10 23 9	37 47 56	9 17 2	33 35 13	3 4 3	11 8 19	845 845 847	29 56 15	16 7 8	47 45 58	27 38 21	11 10 13	846 843 846	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	53 41 5	8 4 0	16 11 0	22 19 1	45 50 20	13 12 3	27 32 60	6 3 1	12 8 20	846 845 838	53 41 6	11 8 0	49 53 11	27 33 67	13 6 22	845 845 837	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	19 16 23 42	1 1 7 3	6 7 33 8	9 9 4 21	50 60 19 54	6 3 6 13	33 20 29 33	2 2 4 2	11 13 19 5	844 845 847 845	23 18 22 38	6 11 21 5	44 50 35 57	36 29 29 32	14 11 15 7	842 845 846 845	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	22 49 20 9	4 5 2 0	20 11 11 0	8 24 7 4	40 52 37 50	5 16 7 1	25 35 37 13	3 1 3 3	15 2 16 38	849 845 843 837	25 49 18 8	15 8 7 0	45 53 34 58	28 34 45 8	13 5 14 33	847 845 842 840	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.” A. strongly agree B. agree C. disagree D. strongly disagree	18 36 31 15	5 4 3 0	29 12 10 0	7 16 14 6	41 47 48 43	4 12 9 4	24 35 31 29	1 2 3 4	6 6 10 29	853 845 844 838	20 34 33 13	22 9 6 0	47 46 50 48	25 37 33 29	6 7 12 24	851 844 843 840	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	0 50 33 17	0 0 0 0	0 0 0 0	2 0 1 1	67 0 0 100	0 0 1 0	0 0 50 0	1 1 50 0	33 50 50 0	839 833 833 858	43 21 21 14	0 0 0 50	33 67 33 50	33 0 33 0	33 33 33 0	837 840 838 862						